

REMARKS

I. PENDING CLAIMS AND SUPPORT FOR AMENDMENTS

Upon entry of the present amendment, claims 1 and 3-16 will be pending in this application. Claims 1, 3-13, and 16 have been allowed, and Applicant thanks the Examiner for so indicating.

Claims 14 and 15 have been amended to avoid the use of terminology objected to by the Examiner. Support for the amendments can be found in the claims as originally filed, and in the specification throughout. No new matter has been added.

II. NEW DECLARATION

At page 2 of the Office action, the Examiner has indicated that the declaration filed with this application was defective for failure to identify parent applications from which priority was claimed, and acknowledging duty to disclose prior art which became available between the filing date of the parent applications and the filing date of this continuation-in-part application. Applicant encloses herewith a new executed declaration that contains reference to the relevant parent applications and acknowledges the duty to disclose intervening prior art. Accordingly, the Examiner's objection should be withdrawn.

III. INDEFINITENESS

At pages 2-3 of the Office action, the Examiner has rejected claims 14 and 15 under 35 U.S.C. § 112, second paragraph, as indefinite. Applicant respectfully traverses this rejection and requests reconsideration and withdrawal thereof.

Applicant has amended claim 14 to avoid the use of the terminology "were mixed" and to clarify that, for this claim, the recited ingredients of the composition

have been combined using shear mixing. Applicant has also amended this claim (and claim 15) to recite that the weight ratio of nanocrystals to polymeric binder without using the terminology "ranged."

Applicant respectfully submits that these claims are clear and definite, and in full compliance with the requirements of 35 U.S.C. § 112, second paragraph, since one of skill in the art could readily determine whether a particular filtration media falls within the scope of the claims. *In re Miller*, 169 USPQ 597 (CCPA 1971).

Applicant respectfully submits that this application is in condition for immediate allowance. An early notification thereof is earnestly solicited.

Please charge any fees in connection with this filing to Deposit Account No. 11-0855.

Respectfully submitted,



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MARKED UP COPY OF AMENDED CLAIMS

14. (Amended) The filtration media of claim 9, wherein the nanocrystals, activated carbon, and polymeric binder [were mixed by shearing] have been combined using shear mixing, and wherein the weight ratio of nanocrystals to polymeric binder [ranged between] was from about 30:1 and about 5:1.

15. (Amended) The filtration media of claim 14, wherein the weight ratio of nanocrystals to polymeric binder [ranged between] was from about 20:1 and about 10:1.

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